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Inspection of Feed Products and Pet Foods—1984

By Lester Hankin



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INSPECTION OF FEED PRODUCTS AND PET FOODS

Chemical analyses of 576 official samples of feed products and pet foods collected during 1984 by inspectors of the Connecticut Department of Agriculture are presented in this Bulletin. Two-hundred forty-two are for farm animals and 334 are pet foods, mainly for cats and dogs, but food for caged birds and fish is also included.

Table 1 shows individual samples for 82 manufacturers. In the Table the percentage guarantee for each product for protein, fat, fiber, and in some cases ash is shown. For example, the numbers 11-6-1-4 indicate that a minimum of 11% protein, a minimum of 6% fat, a maximum of 1% fiber, and a maximum of 4% ash is guaranteed. The product name follows. The analyses are then shown with deficiencies in protein and fat and excesses in fiber and ash preceded by an asterisk (*).

A summary is provided in Table 2 indicating the number of samples from each manufacturer and the number of guarantees for ash. The number of guarantees for protein, fat, and fiber is the same as the number of samples. Next is shown the percentage not meeting the guarantee for each nutrient, followed by the average percentage of guarantee for each nutrient.

Two types of variability affect feed and pet food analysis and must be considered in judging deficiencies. The first is the variability among different batches of the same product. This variability can be noted by examination of results of analyses on the same product from the same manufacturer. The second type of variability is among duplicate analyses of the same sample. This variability is shown by the statement: the mean difference between duplicates for protein is about a half percent, for fat about one-fourth percent, and for fiber and ash about two-tenths percent.

Feed and pet food samples are deemed deficient in protein and fat and excessive in fiber and ash if the analysis is not within permitted variations recommended by the Association of American Feed Control Officials. For all samples tested only 2.6% were deficient in protein, 3.0% deficient in fat, 0.5% excessive in fiber, and 0.7% excessive in ash.

Analyses were performed by H. Kocaba, M. Pyles, M.A. Illig, and E. Hickson. Samples were collected by J. Dippel, A. VanDyke, and D. Nisely. Feed laws are administered by the Commissioner of the Connecticut Department of Agriculture.

Lester Hankin
Chief, Analytical Chemistry

Table 1. Analysis of Individual Samples

Manufacturer, Guarantee, Product Name	Nutrients found			
	% Protein	% Fat	% Fiber	% Ash
<u>8 In 1 Pet Products</u>				
14-7-7 Grains and Greens Canary	25.9	11.2	4.9	-
<u>A & P</u>				
14-5-1-4 Daily Supreme Tuna & Chicken	15.8	11.5	0.3	2.8
<u>A & R Pet Food Co.</u>				
8-4-1.5 Finast Beef Stew with Gravy for Dogs	12.1	4.0	0.8	-
13-5-1.5 Stop & Shop Horsemeat Chunks & Meat By-Prod/dogs	13.3	8.4	0.8	-
<u>A. H. Robins</u>				
13-6-8 Sergeant's Parakeet Grains & Greens	15.3	11.0	6.0	-
17.5-2.5-14 Sergeant's Small Animal Pellets	19.5	4.8	13.5	3.0
<u>Agway</u>				
37-2-6 37% Hog Concentrate	37.3	3.0	3.7	-
37-2-6 37% Hog Concentrate	37.9	2.8	3.2	-
44-1-7 44% Pro Blend	42.1	2.0	2.8	-
44-1-7 44% Pro Blend (for ruminants)	45.3	2.0	5.1	-
15-2.5-15 Agway Big Red Special Rabbit	16.1	3.0	13.1	-
12-2-20 Agway Choice for Horses	12.9	2.5	11.2	-
16-3-4 Agway Country Egg Layer	16.1	4.5	2.8	-
16-3-4 Agway Country Egg Layer	17.0	4.1	2.5	-
16-3-4 Agway Country Egg Layer (Mash)	23.0	4.1	2.5	-
21-3-4.5 Agway Country Game & Turkey Grower	22.0	4.5	3.4	-
16-3-8 Agway Game & Turkey Feed	16.9	4.1	3.2	-
16-3.5-9 Agway Hi-Energy Lamb pell.	18.1	3.7	3.9	-
14-3-5 Agway 14% Hog Feed (T-20)	14.1	4.3	2.8	-
16-3-5.5 Agway 16% Sow & Pig Feed	16.0	4.3	2.8	-
16-3-7 Agway Ratio:Right 550-16	16.3	5.8	4.8	-
15-2-23 Agway TCR #1	16.6	5.5	11.8	-
15-2.5-15 Big Red Special Rabbit	16.3	3.2	14.6	-
15-2.5-15 Big Red Special Rabbit	16.9	3.5	13.1	-
15-2.5-15 Big Red Special Rabbit	15.6	3.1	13.2	-
12-2-20 Choice (for horses)	14.0	3.4	11.1	-
12-2-20 Choice (for horses)	15.4	3.8	11.1	-
12-2-20 Choice (for horses)	13.6	3.9	10.6	-
16-3-4 Complete Breeder 16	19.0	3.7	2.4	-
14.5-3.5-4 Complete Grower	16.4	3.9	2.5	-
12-2-20 Complete Horse	16.9	3.3	15.9	-
12-2-20 Complete Horse Feed	16.8	2.9	14.2	-
18-3-4 Country Chick Starter	18.3	3.5	2.7	-
16-3-4 Country Egg Layer	16.9	3.7	2.7	-
16-3-4 Country Egg Layer (bits)	16.8	3.8	2.3	-
21-3-4 Country Egg Producer	24.1	3.7	2.4	-
18-3-4.5 Country Game & Turkey Breeder	20.8	4.1	2.3	-
12-3-4.5 Country Game & Turkey Grower	21.2	4.4	2.2	-
28-3-4 Country Game & Turkey Starter	19.6	4.0	2.6	-
28-3-4 Country Game & Turkey Starter (bits)	34.7	4.6	2.9	-
21-3-4.5 Country Turkey Grower	21.0	4.7	3.4	-
25-3.5-8.5 Fresh Cow Plus	28.7	5.2	5.4	-
25.5-3.5-8.5 Fresh Cow Plus	29.8	5.3	5.2	-
16-3-4 Game & Turkey Finisher	16.8	3.4	2.4	-
21-3-4.5 Game & Turkey Grower	21.1	3.3	2.4	-
21-3-4.5 Game & Turkey Grower	21.1	3.8	3.2	-
14-2.5-10 Gestating Swine Feed	17.9	4.0	4.0	-
16-3.5-9 Hi-Energy Lamb Pell.	16.0	3.7	4.0	-
16-3.5-9 Hi-Energy Lamb Pell.	19.9	5.4	5.1	-
14.5-2.5-4 High Layer 900 Bits	16.6	2.6	2.2	-
14.5-2.5-4 High Layer 1100+	16.3	3.8	2.2	-
14-3-5 14% Hog Feed (T-20)	18.7	3.7	3.2	-
14-3-5 14% Hog Feed (T-20)	18.7	3.4	2.7	-
14-3-5 14% Hog Feed (T-20)	23.0	3.5	3.7	-
16-3-5 16% Sow & Pig (T-40)	17.3	5.4	3.4	-
16-3-5 16% Sow & Pig Feed (T-40)	19.6	3.8	3.1	-
18-2.5-7.5 Mare 'N' Foal	20.6	4.0	5.7	-
16-2.5-12 Milk:Right 16	20.8	3.6	8.6	-
15-4-7 Myers Mink Feed (Customer Formula)	16.9	5.3	3.8	-
16-3-4 NU-Cashmaker 16	18.1	3.6	2.7	-

Table 1. Analysis of Individual Samples (continued)

Manufacturer, Guarantee, Product Name		Nutrients found			
		% Protein	% Fat	% Fiber	% Ash
14-3-10	Performance (for horses)	18.1	5.1	5.7	-
18-3.5-4.5	Pig Starter Pell. (Mx)	18.8	3.8	3.0	-
32-2-8	Pro:Right 2500-32	33.1	3.3	5.6	-
32-2-8	Pro:Right 2500-32	32.1	3.6	3.8	-
20-3-8.5	Ratio:Right 400-20	23.7	3.4	5.7	-
20-3-8.5	Ratio:Right 400-20	20.1	3.8	7.0	-
20-3-8.5	Ratio:Right 400-20	20.3	3.4	6.6	-
20-3-8.5	Ratio:Right 401-20	24.3	3.8	5.9	-
16-3-8.5	Ratio:Right 501-16	19.1	3.4	6.3	-
16-3-7	Ratio:Right 550-16	16.7	3.9	5.1	-
16-3-7	Ratio:Right 550-16	17.1	3.5	5.5	-
16-3-7	Ratio:Right 550-16	17.9	3.6	4.1	-
10-2.5-15	Rough-X 10	13.5	2.9	14.2	-
10-2.5-15	Rough-X 10	15.3	2.3	12.0	-
18-4-3	Squealer pell. (Mx)	18.1	6.5	2.2	-
15-2.5-12.5	TCR I	15.8	2.5	10.2	-
15-2-23	TCR I	20.5	3.3	11.7	-
15-2.5-12.5	TCR I	15.9	3.2	10.6	-
15-2.5-12.5	TCR I (AMP 200)	16.8	3.7	8.8	-
12.5-2-22	TCR II	16.0	2.2	16.0	-
14-2.5-10	Trim (for horses)	18.9	3.5	4.4	-
<u>Allen Products Co.</u>					
11-6-1.5-3	Alpo Beef Chunks Dinner for Dogs	13.6	6.3	1.0	3.1
11-6-1-4	Alpo Lamb Chunk Dinner	11.2	6.7	0.7	3.2
11-6-1	Alpo Tabby Chicken Platter Cat Food	12.8	5.2	0.6	-
<u>Alpo Products</u>					
10-5-1.5	Alpo Beef & Cheese Dinner for Dogs	10.4	#2.6	0.5	-
11-6-1.5	Alpo Beef Chunks Dinner for Dogs	13.5	5.6	0.7	-
17-6-2.5	Alpo Chicken Snaps	19.6	8.7	0.5	-
11-5-1.5	Alpo Horsemeat, Chunks & Beef By-Products Dinner	12.4	5.5	0.6	-
38-16-3	Alpo Jerky Cheese Flavor	38.1	22.3	1.3	-
10-4-1.5	Alpo Seasteak Dinner	11.5	5.2	0.7	-
11-6-1-2.5	Alpo Tabby Beef Platter	12.0	7.3	0.4	1.7
11-6-1-3	Alpo Tabby Treat - Original Banquet	19.8	9.0	0.4	2.1
10-7-1-4	Alpo Trio	10.8	12.4	0.7	2.0
11-3.5-1	Tabby Beef Platter Cat Food	14.1	7.5	0.4	-
11-5-1	Tabby Cat Food Treat Original Banquet	12.3	5.9	0.6	-
11-3-1	Tabby Seafood Dinner	13.9	6.1	0.5	-
11-6-1-3	Tabby Treat Orig. Banquet	11.7	8.5	0.7	1.9
<u>Andre Mfg. Corp.</u>					
75-3-2-10	Andre Doggie Links	80.4	4.8	0.4	5.1
<u>Arlington Grain Co.</u>					
21-8-6	Arlington Chunk-style Dog Food	23.6	7.0	4.5	-
<u>Bay-Mor Pet Feeds</u>					
11-2-5	Bay-Mor Economy Breeder Pigeon Feed	12.6	3.1	2.0	-
<u>Beacon Milling Co.</u>					
20-3-5.5	Beacon "20" Turkey Grower H N	20.3	4.2	3.0	-
28-3.5-4.5	Beacon Turkey Starter AP	29.1	4.2	3.7	-
<u>Beatrice Foods/Ross Wells Div.</u>					
24-15-5-9	A.N.F. 24 Dog Food	24.1	20.1	3.6	5.8
30-9-1	Bonkers Cat Treats	31.2	10.4	0.2	-
30-9-1	Bonkers Liver Treats for Cats	32.1	11.4	0.3	-
30-9-1	Bonkers Real Liver Treats for Cats	35.4	13.8	0.1	-
32-20-3-5.5	Tami-Ami Cat Food	34.7	22.7	2.6	4.7
<u>Bi-Agri Feed & Fertilizer Co.</u>					
18-2-35	Bi-Ag Dairy Feed	#9.8	3.1	#47.0	-
12.5-18-30	Chip Mix 21 (customer formula)	11.9	20.1	23.4	-
10-18-25	Chip Mix Plus (customer formula)	11.6	24.5	19.5	-
<u>Binzo Ltd.</u>					
18-3.7-4	Binzo Bone	25.3	4.3	2.9	-
<u>Blue Ribbon Pet Products</u>					
60-4-4-14	Blue Ribbon Shrimp	63.1	6.1	2.2	#15.4

Table 1. Analysis of Individual Samples (continued)

Manufacturer, Guarantee, Product Name		Nutrients found			
		% Protein	% Fat	% Fiber	% Ash
<u>Blue Star Foods</u>					
11-4-1-3.5	Tabby Liver Platter	12.0	7.8	0.9	2.7
<u>Borden/Pet-Vet Products</u>					
4,5-6-0-1	Borden Liquid Esbilao	4.7	6.0	0	0.8
<u>Bumble Bee Seafoods</u>					
18-2-1	Figaro Cat Food - Tuna	21.3	2.4	0.3	-
18-2-1	Figaro Cat Food - Tuna	18.9	2.6	0.3	-
18-2-1-2.5	Figaro Cat Food - Tuna	18.2	3.1	0.3	1.4
18-2-1-2.5	Figaro Cat Food - Tuna	21.7	2.2	0.3	1.3
<u>Cadillac Pet Foods, Inc.</u>					
10-6-1-3.5	Cadillac 6 in 1 for Cats	11.8	10.8	0.3	1.0
10-6-1-3.5	Cadillac 6 in 1 for Cats	11.8	10.5	0.6	1.9
10-5-1.5-3.5	Cadillac Beef Dinner	10.4	9.5	0.6	2.8
10-5-1.5-3.5	Cadillac Beef Dinner for Dogs	10.3	7.7	0.7	2.9
11-6-1.5-3	Cadillac Chunky Beef Dinner for Dogs	13.1	15.0	0.7	2.3
11-6-1	Cadillac Chunky Beef Dinner for Dogs	14.8	6.2	0.7	-
10-5-1.5-3.5	Cadillac Chunky Horsemeat & Meat By-Products/Dogs	14.2	13.4	0.7	2.4
10-5-1	Cadillac Chunky Liver Dinner	11.4	9.6	0.9	-
10-5-1-3.5	Cadillac Chunky Liver Dinner	9.7	10.5	0.3	1.9
<u>Calo Pet Foods</u>					
10-3-1.5-3.5	Calo Cat Food	9.7	4.3	0.6	2.2
10-4-1.5	Calo Dog Food	11.1	7.1	0.7	-
10-4-1.5-3.5	Calo Dog Food	15.8	8.0	0.6	1.4
10-4-1.5-3.5	Calo Dog Food	11.6	8.6	1.0	1.8
10-3-1.5-3.5	Calo Original Flavor Cat Food	11.2	3.9	0.8	1.9
10-3-1.5	Calo Original Flavor Cat Food	11.8	3.9	0.6	-
10-3-1.5	Calo Original Flavor Cat Food	10.4	4.8	0.5	-
<u>Carnation Co.</u>					
10-3-1	Bright Eyes, Beef & Liver Dinner	11.4	8.8	0.5	-
25-3-6	Carnation Calf-Manna	27.8	3.1	4.0	-
14-2-17	Carnation Challenge 14 Horse	16.1	2.5	7.7	-
16-2.5-15	Carnation Challenge 16 Dairy Pell.	14.5	2.6	7.9	-
14-3.5-10	Carnation CHF 14	15.8	3.2	5.0	-
16-2.5-20	Carnation Double Duty Rabbit pell.	20.0	3.3	11.5	-
16-3-7	Carnation Family Farm Hog Grower 16	20.3	2.6	7.2	-
15-3-7	Carnation Family Farms Egg Maker 15	15.4	4.1	3.8	-
21-7-3	Carnation Hearty 21 Dog Food Chunk-ets	23.3	8.6	1.6	-
11-2-5	Carnation Pigeon Feed	14.1	1.9	3.0	-
16-3-10	Carnation Trip-L-Duty Pakett	18.3	4.7	5.9	-
14-4.5-1	Fancy Feast Beef & Liver Feast Cat Food	17.5	6.5	0.4	-
12-7.5-1-2.6	Fancy Feast Chopped Grill	12.3	11.1	0.6	2.2
11-7.5-1-2.6	Fancy Feast Chopped Grill	12.9	12.3	0.5	2.8
9-2-1.5	Friskies Beef & Liver	12.4	3.2	1.2	-
8-5-1	Friskies Buffet Dixie Dinner Meat By-Prod/Chick. Liver	14.8	10.2	0.5	-
11-7-1-3.5	Friskies Buffet Liver & Chicken	15.5	11.3	0.3	2.7
13-5-1	Friskies Buffet Liver Entree	17.0	6.6	0.4	-
12-5-1-2.5	Friskies Buffet Prime Entree	13.1	8.6	0.6	1.2
11-7-1	Friskies Buffet Turkey & Giblets for Cats	12.0	12.3	0.5	-
8-3-1	Friskies Chunky Beef	9.8	4.1	1.1	-
8-3-1	Friskies Dinner Chunks Beef & Cheese Flavor	12.7	4.3	0.9	-
10-6.5-1	Mighty Dog Beef & Bacon	11.8	11.2	0.4	-
10-6-1	Mighty Dog Beef & Chicken	10.9	17.3	0.3	-
10-6-1	Mighty Dog Beef & Chicken	12.6	13.5	0.4	-
10-5.5-1	Mighty Dog Beef, Liver & Bacon	13.9	9.6	0.6	-
10-8-1	Mighty Dog Chicken & Liver for Dogs	13.6	19.7	0.1	-
11-8.5-1	Mighty Dog Turkey & Giblets	11.0	10.0	0.6	-
<u>Carter Wallace, Inc.</u>					
26-10-2	Pupperoni Beef Flavor Dog Treats	32.6	16.5	1.4	-
<u>Central Conn. Coop.</u>					
16-3-8.5	Honest Brand 16% Dairy Treat	17.3	3.9	6.7	-
16-3-8.5	Honest Brand 16% Dairy Treat	22.8	3.8	6.6	-
20-3-8.5	Honest Brand 20% Dairy Treat Pellets	22.7	4.0	6.8	-
20-3-8.5	Honest Brand 20% Hi-Pro Pellets	20.8	4.0	5.5	-
<u>Champion Valley Farms</u>					
9-5-1.5	Recipe Beef & Egg Dinner	9.0	5.5	0.9	-

Table 1. Analysis of Individual Samples (continued)

Manufacturer, Guarantee, Product Name		Nutrients found			
		% Protein	% Fat	% Fiber	% Ash
9-5-1.5	Recipe Beef Chunks Dinner	*7.7	7.4	1.3	-
9-5-1.5	Recipe Beef Chunks Dinner	9.8	5.3	1.2	-
9-5-1.5	Recipe Beef Chunks Dinner for Dogs	10.6	5.8	0.7	-
9-5-1.5	Recipe Beef Mixing Chunks	9.8	6.5	0.9	-
8-5-1.5	Recipe Chicken Dinner Dog Food	10.5	6.6	0.9	-
9-5-1.5	Recipe Chicken, Liver & Egg Dinner	9.3	5.3	1.3	-
9-5-1.5	Recipe Hearty Meat Dinner for Dogs	13.6	7.0	1.0	-
9-4-1.5	Recipe Liver Chunks	13.9	5.8	1.5	-
14-7-2.5	Recipe Treats Chicken, Bacon & Egg	18.9	8.1	1.3	-
8-5-1.5	Recipe Turkey Dinner for Dogs	8.0	7.4	1.0	-
<u>CHB Foods, Inc.</u>					
9-3-1.5	Skippy Premium 3 in 1 Chicken, Beef & Liver	9.4	4.3	1.2	-
9-3-1.5-3	Skippy Premium 3 in 1 Dinner	10.9	3.4	1.2	2.1
9-3-1.5-3	Skippy Premium Beef & Chicken	9.1	4.7	1.4	2.0
9-3-1.5	Skippy Premium Burgers'N Cheese Flavor	9.3	3.8	0.7	-
9-3-1.5-3	Skippy Premium Chunky Beef Dinner	10.3	3.6	0.6	2.3
8-3-1.5-3	Skippy Premium Chunky Stew	8.3	5.2	1.3	2.3
<u>Conagra Pet Products</u>					
32-4-7	Atlantic Tropical Fish Food	39.7	5.5	3.0	-
22-3-3	Atlantis Goldfish Food	22.3	6.2	2.1	-
12-6-13	Geisler Gerbil Diet	16.9	8.1	9.0	-
<u>Continental Grain/Wayne Pet Food Div.</u>					
16.5-3-4.5	Wayne 16.5% Program Layer	18.1	3.5	3.0	-
16.5-3-4.5	Wayne 16.5% Program Layer Pellets	16.5	3.5	3.5	-
22-6-5	Wayne Tail Waggar Dog Food - Cheese Flavor	25.7	6.9	4.3	-
22-6-5	Wayne Tail Waggar Dog Food Gravy Flavored	25.9	8.8	4.5	-
<u>Federated Foods</u>					
8-1.5-1.5	Cat Food	8.6	2.5	1.3	-
<u>Finast</u>					
9-2-1.5-4	B & Y Cat Food Fish Flavor	9.8	4.6	1.3	2.6
9-2-1.5-4	B & Y Cat Food Fish Flavor	9.3	3.1	0.6	2.3
6-1.25-1	B & Y Dog Food Chicken Flavor	6.8	1.4	0.8	-
6-1.25-2	B & Y Dog Food Liver Flavor	6.2	2.4	1.0	-
21-8.5-3.5	B & Y Soft & Moist Cat Food	30.0	10.8	1.3	-
8-4-1.5-3	Finast Beef Stew with Gravy for Dogs	10.7	5.9	1.2	2.0
10.5-6-1.5-4	Finast Deluxe Dinner for Cats	13.1	5.7	0.4	3.0
12-6-1	Finast Meat-Chicken-Liver & Meat By-Products	13.8	6.1	0.9	-
12-6-1-4	Finast Triple Meat-Chicken-Liver & Meat By-Prod/Dogs	15.3	6.6	1.0	2.7
12-6-1-4	Finast Triple Meat-Chicken-Liver & Meat By-Products	13.1	5.4	0.8	1.9
9-2-1.5	Generic Cat Food Fish Flavor	9.1	2.4	0.9	-
6-1.25-1	Generic Dog Food Chicken Flavor	8.1	2.4	*1.4	-
8-1.25-2	Generic Dog Food Liver Flavor	7.9	2.0	1.1	-
20-8.5-3.5	Generic Soft & Moist Cat Food	34.3	10.1	1.4	-
21-8.5-3.5	Generic Soft & Moist Cat Food Gourmet Flavor	28.9	10.9	1.4	-
<u>Foster Canning Co.</u>					
10.5-6-1.5	Finast Dinner Deluxe for Cats	11.9	7.6	0.4	-
12.5-7-1.0	Stop & Shop Beef Dinner for Dogs	14.4	9.3	0.5	-
10-2-1.5	Stop & Shop Meat Flavor Cat Food	10.0	7.2	0.5	-
9-2-1.5	Yellow & Black Label Fish Flavor Cat Food	9.6	4.4	0.7	-
9-2-1.5	Yellow & Black Label Fish Flavor Cat Food	11.0	2.5	0.7	-
<u>General Foods Corp.</u>					
10-6-2	Gaines Cycle 1 Puppies	10.1	7.0	2.0	-
10-6-2	Gaines Cycle 1 Puppies - Chicken	11.3	8.5	1.0	-
10-6-2	Gaines Cycle 1 Puppies - Chicken	10.3	*4.9	0.7	-
7-5-2	Gaines Cycle 2 Beef Flavor	9.9	6.8	0.8	-
7-6-2	Gaines Cycle 2 Chicken Flavor	7.6	6.5	0.6	-
7-5-2	Gaines Cycle 2 for Dogs, Beef Flavor	7.8	7.8	0.8	-
7-2-5	Gaines Cycle 3 Beef	8.8	4.6	1.7	-
7-2-5	Gaines Cycle 3 Beef Flavor	8.0	4.0	1.7	-
7-2-5	Gaines Cycle 3 Less Act. Beef	8.8	3.1	1.6	-
5-3-5	Gaines Cycle 4 Beef Flavor	5.7	5.6	2.7	-
21-5-6	Gaines Meal Dog Food	24.1	8.1	2.5	-
8-5-2	Gravy Train Beef Flavor	9.6	5.0	1.0	-
8-5-2	Gravy Train Chicken-Liver	9.4	5.9	0.6	-
<u>Goff Cat Food Co.</u>					
10-5-1-1.2	Goff Beef	11.9	8.4	0.8	1.1

Table 1. Analysis of Individual Samples (continued)

Manufacturer, Guarantee, Product Name		Nutrients found			
		% Protein	% Fat	% Fiber	% Ash
10-5-1-1.2	Goff Beef Low Ash Cat Food	19.8	6.8	0.7	1.2
10-7-1	Goff Beef Low Ash Cat Food	11.9	11.4	0.5	-
10-5-1	Goff Beef Low Ash Cat Food	13.2	8.6	0.6	-
10-5-1-1.2	Goff Beef Low Ash Cat Food	10.3	6.5	0.5	1.0
10-7-1-1.5	Goff Gourmet Stew	10.4	10.5	0.7	1.3
<u>Grand Union</u>					
12-8-1.5-3.5	Grand Union Deluxe Cat Food Chicken Parts	12.8	13.1	0.5	3.5
12-8-1.5	Grand Union Deluxe Chicken & Liver for Dogs	14.4	11.6	0.5	-
26-10-4.5	Grand Union High Protein Dog Meal	26.9	10.4	2.6	-
24-8.5-3.5	Grand Union Tuna Flavor Moist Cat Food	24.9	9.5	1.8	-
<u>H. K. Webster</u>					
9-2-6	Blue Seal Buffine Pell.	9.1	2.9	4.7	-
9-2-6	Blue Seal Buffine Pell.	12.2	2.8	4.2	-
16-2.5-18	Blue Seal Bunny 16 - Pell.	18.8	3.4	13.1	-
16-3.5-7.5	Blue Seal Contender	16.3	5.0	6.3	-
16-3.5-7.5	Blue Seal Contender	16.5	4.1	7.4	-
20-3.5-7	Blue Seal Energizer 20	20.3	3.1	3.3	-
20-3.5-7	Blue Seal Energizer 20	21.1	5.0	3.6	-
20-3.5-7	Blue Seal Energizer 20 Dairy Pell.	20.1	3.5	4.1	-
16-3.5-7	Blue Seal Energizer 16	18.5	4.0	3.5	-
16-3.5-7	Blue Seal Energizer 16 Dairy Pell.	17.7	2.5	3.8	-
15-3-4	Blue Seal Grower-Cal Mash	15.3	3.2	3.8	-
15-3-4	Blue Seal Grower-Cal Pell.	17.2	3.5	4.0	-
15-3-4	Blue Seal Grower-Cal Pell.	16.9	3.9	3.1	-
30-9-4-7.5	Blue Seal Kat Krunchies Cat Food	32.6	10.8	2.3	6.3
18-3.5-7	Blue Seal Lamb Starter-grower	18.5	3.7	4.2	-
15-3-4	Blue Seal Layer Mash	16.3	4.0	2.7	-
15-3-4	Blue Seal Layer Mash	17.0	3.7	2.8	-
15-3-4	Blue Seal Layer Mash	16.4	3.3	2.3	-
15-3-4	Blue Seal Layer Pell.	14.3	3.4	2.8	-
15-3-4	Blue Seal Layer Pell.	16.5	4.4	3.3	-
15-3-4	Blue Seal Layer Pell.	15.1	4.1	2.3	-
15-3-4	Blue Seal Layer Pell.	15.6	3.3	2.8	-
16-3.5-8.5	Blue Seal Milk-Maker 16	15.8	4.0	5.4	-
16-3.5-8.5	Blue Seal Milk-Maker 16	19.1	3.6	8.4	-
16-3.5-8.5	Blue Seal Milk-Maker 16	16.7	3.8	6.5	-
16-3.5-8.5	Blue Seal Milk-Maker 16	16.1	3.7	5.6	-
20-3.5-8.5	Blue Seal Milk-Maker 20	18.8	3.6	6.2	-
20-3.5-8.5	Blue Seal Milk-Maker 20	20.3	3.5	7.0	-
15-3.5-7	Blue Seal Pig & Sow Pell.	17.3	4.6	5.3	-
15-3.5-7	Blue Seal Pig & Sow Pell.	16.3	4.3	3.0	-
15-3.5-7	Blue Seal Pig & Sow Pell.	14.8	3.8	4.8	-
15-3.5-7	Blue Seal Pig and Sow Pell.	20.6	3.1	5.0	-
18-3.5-7	Blue Seal Piglets Crumbles	19.5	3.9	4.9	-
13-3.5-7	Blue Seal Porkmaker Mash	13.6	3.0	6.0	-
11-3-7	Blue Seal Strider	11.6	4.0	5.0	-
25-2-4	Blue Seal Sunshine Supplemental Pellets	27.2	3.5	2.4	-
14-2.5-20	Blue Seal Trotter	14.7	2.5	11.4	-
14-2.5-20	Blue Seal Trotter	14.7	3.5	9.4	-
14-2.5-20	Blue Seal Trotter	17.1	4.2	6.4	-
14-2.5-20	Blue Seal Trotter	15.0	3.3	11.4	-
14-2.5-20	Blue Seal Trotter	15.1	4.0	17.5	-
20-4.5-4	Blue Seal Turkey Grower	20.5	5.9	3.3	-
16-2.5-18	Bunny 16 Pell.	17.1	3.2	15.1	-
20-2.5-12	Hi-Pro 20 Pell. (Rabbit)	20.1	3.6	6.9	-
<u>Hartz Mountain</u>					
52-10-3	Hartz Beef Flavor High Protein Chews	85.2	11.5	0.4	-
7-29-1.5	Hartz Cheese Flavor Dog Treats	7.0	36.1	0.3	-
7-29-1.5	Hartz Cheese flavor Dog Treats	8.0	30.0	0.1	-
31-3.5-3	Hartz Fish Flavor Cat Treats	55.8	5.2	2.0	-
16-2-10	Hartz Hamster/Guinea Pig Vit. & Min. Pell.	18.5	4.3	8.6	-
16-2-10	Hartz Hamster/Guinea Pig Vit. & Min. Pell.	24.9	3.3	8.8	-
16-2-10	Hartz Hamster/Guinea Pig Vit. & Min. Pell.	20.9	4.3	7.4	-
12-7-7	Hartz Parakeet Bell	13.5	7.4	5.3	-
21-4-6	Hartz Yummies Beef Flavor	24.6	5.1	3.1	-
21-4-6	Hartz Yummies Beef Flavor Dog Treats	27.8	6.6	4.5	-
<u>HiLife/Pet Life Packing</u>					
16.5-6-4	"Say Cheese" Cheese Flavored Treats for Dogs	24.7	8.9	1.5	-

Table 1. Analysis of Individual Samples (continued)

Manufacturer, Guarantee, Product Name		Nutrients found			
		% Protein	% Fat	% Fiber	% Ash
20-5-3	Lolli-Pops Treats for Dogs	25.5	7.6	1.8	-
20-7-4	People Crackers	21.4	9.1	1.6	-
20-7-4	People Crackers Treat for Dogs	22.3	7.3	1.1	-
<u>Hill's Pet Products</u>					
32-13-3	Domestic Feline Dry Cat Food	49.7	14.8	0.9	-
26-17-4-8.5	Hill's Science Diet Canine Growth Dry Dog Food	27.2	15.5	2.8	7.8
22-13-4.3-6.5	Hill's Science Diet Canine Maintenance Dry Dog Food	22.3	13.8	2.8	4.7
<u>IAMS Co.</u>					
32-21-3-6.5	IAMS Cat Food	32.6	22.9	1.2	6.0
32-21-3-6.5	IAMS Cat Food	31.7	17.7	2.3	8.7
30-20-3-9	IAMS Eukanuba Dog Food	35.3	25.1	2.0	7.1
25-15-3.5-10	IAMS Mini Chunks Dog Food	25.8	15.7	1.7	9.7
25-15-3.5-10	IAMS Minichunks Dog Food	29.3	15.2	2.5	9.6
28-17-3.5-10	IAMS Puppy Food	37.6	18.9	2.0	5.9
<u>IGA</u>					
10-2.5-2-5	IGA Premium Ration for Dogs	11.1	1.3	1.2	1.4
<u>International Multifoods</u>					
21-8-4.5	Partners Gravy Style Dog Food	25.1	9.8	3.4	-
<u>K & L Feed Mill</u>					
14-3-8	14% Sprinter Horse Feed	18.6	3.9	4.2	-
16-3-8	16% Dairy Ration	20.0	3.2	4.8	-
16-3-8	16% Dairy Ration	21.2	3.6	4.2	-
16-3-8	16% Dairy Ration Pellets	17.2	3.4	4.4	-
16-3-4	16% Layer	16.3	3.9	2.2	-
16-3-4	16% Layer Mash	17.1	3.8	2.2	-
16-3-4	16% Layer Mash	16.4	3.2	2.1	-
16-3-4	16% Layer Mash	17.7	3.0	2.5	-
16-3-4	16% Layer Pellets	16.8	3.4	2.6	-
16-3-4	16% Layer Pellets	17.6	3.5	1.7	-
23-5-3	K & L Kibbled Biscuit Dog Food	26.9	6.6	1.3	-
14-2.5-8	K & L 14% Dairy Ration Pellet High Energy	12.3	3.5	4.6	-
14-3-8	K & L 14% Sprinter Horse Feed	14.0	3.5	4.1	-
14-3-8	K & L 14% Sprinter Horse Feed Pellets	12.0	3.9	5.9	-
16-3-8	K & L 16% Dairy Ration Pellets	14.8	3.4	4.0	-
16-3-4	K & L 16% Layer Mash	18.7	3.8	2.5	-
16-3-4	K & L 16% Layer Pellets	15.0	3.6	3.0	-
16-3-5	K & L Pig Grower	16.5	2.9	2.7	-
16-3-5	K & L Pig Grower Pellets	17.1	3.1	2.5	-
12-3-5	K & L Sow Feed Pellets	12.7	3.0	2.6	-
12-3-5	K & L Sow Feed Pellets	13.6	3.9	2.1	-
16-3-5	Pig Grower	16.4	3.0	4.2	-
16-3-3	Pig Grower Pellets	16.0	3.1	2.0	-
12-3-5	Sow Feed Pellets	16.9	3.7	2.4	-
12-3-8	Sow Feed Pellets	15.8	3.2	1.7	-
<u>Kal Kan Foods</u>					
10-6-1.5	Kal Kan Beef & Heart Dinner for Cats	11.6	12.0	0.4	-
10-6-1.5	Kal Kan Beef With Egg, Bacon, & Cheese	10.9	7.8	0.5	-
11-6-1.5-3	Kal Kan Bits'o Honey	13.8	7.8	0.5	2.8
10-6-1.5	Kal Kan Chopped Beef	12.5	12.5	0.6	-
10-6-1.5	Kal Kan Chopped Beef Dinner	12.2	7.5	0.8	-
10-6-1.5	Kal Kan Chunky Beef Dinner	11.2	10.6	0.6	-
9-6-1.5	Kal Kan Chunky Meat Stew	13.9	8.1	0.7	-
30-8-4.5	Kal Kan Crave	32.4	10.8	2.5	-
10-6-1.5	Kal Kan Kitty Stew for Cats	13.2	7.1	0.8	-
10-6-1.5-3	Kal Kan Kitty Stew for Cats	11.6	9.1	1.5	2.1
10-6-1.5	Kal Kan Liver & Beef Dinner	13.3	8.5	0.8	-
10-6-1.5	Kal Kan Liver & Beef Dinner Dog	14.0	7.5	0.7	-
10-6-1.5-3	Kal Kan Pick of the Ocean Cat Food	11.1	11.0	0.5	2.2
10-6-1.5-3	Kal Kan Simmered Supper	11.1	7.3	0.5	2.5
<u>Kitty Food Corp.</u>					
11-6-1.5-3.75	Kitty Crab Flavor Dinner	15.3	8.8	0.4	3.0
11-6-1.5-3.75	Kitty Crab Flavor Dinner	12.9	11.8	0.5	2.5
11-7.5-0.5	Kitty Salmon with Sauce	13.3	7.6	0.5	-
11-7.5-0.5-3.75	Kitty Salmon With Sauce	11.1	3.6	0.1	3.5
11-7.5-0.5	Kitty Shrimp Flavor Dinner	12.2	9.8	0.5	-

Table 1. Analysis of Individual Samples (continued)

Manufacturer, Guarantee, Product Name		Nutrients found			
		% Protein	% Fat	% Fiber	% Ash
11-7.5-0.5-3.75	Kitty Tuna Dinner	12.6	8.4	0.2	3.7
11-7.5-0.5-3.75	Kitty Tuna Flavor Dinner	13.1	12.8	0.2	2.8
<u>Krasdale Foods</u>					
19-2-0.5	Krasdale All Tuna Cat Food	19.8	2.7	0.2	-
24-8.5-3.5	Krasdale Moist & Tender Tuna Flavor Cat Food	29.7	8.8	1.2	-
<u>Laddie Boy Pet Foods, Inc.</u>					
10-5-1	Goff Beef Low Ash Cat Food	12.6	7.7	0.6	-
9-3-1.5-3.5	Laddie Boy Beef Chunk Dinner	11.9	5.3	1.3	1.8
9-3-1.5-3.5	Laddie Boy Chopped Chicken Dinner	9.9	6.1	0.9	2.2
14-5-1.5	Laddie Boy Hi Protein Dog Food	16.6	5.3	0.9	-
14-5-1.5	Laddie Boy Hi-Protein Dog Food	14.9	4.0	0.9	-
11-3-1.5	Laddie Boy Quartet Chnks Dinner/Beef/Chick/Liver/Lamb	11.8	5.6	0.7	-
<u>Landon Co.</u>					
19-9-1.5	Chompers Super Cat Treat Liver Flavor	20.6	10.7	0.5	-
<u>Marlboro Products</u>					
24-8.5-3.5	Economy Cat Food Moist Tuna Flavor	27.2	9.2	1.7	-
8-2-2	Economy Dog Food Beef Flavor	10.5	1.4	1.7	-
8-2-2	Economy Dog Food Liver	8.9	3.2	1.8	-
12-2-1.5	Economy Liver & Fish Dinner for Cats	15.9	1.3	0.6	-
8-2-2	Economy Liver Flavor Dog Food	9.1	3.4	1.3	-
24-8.5-3.5	Economy Moist Flavor Cat Food Tuna	27.9	9.2	1.1	-
<u>Martha White Foods, Inc.</u>					
40-16-3	Jerky Beef Flavor (General)	44.1	21.3	1.4	-
<u>Martin Feed Mills</u>					
25-18-4	Bench & Field Extra Dog Food	28.8	18.3	2.3	-
48-14-2.5	Starter Pellets for Salmonids Martin's 84S	66.2	18.0	1.5	-
<u>Martin's Mills</u>					
26-9-3	Bench & Field 26 Dog Food	29.3	9.7	2.1	-
<u>Metaframe Corp.</u>					
42-5-8	San Fran. Bay Brand Guppy Food Spec. Diet	46.3	10.3	3.0	-
<u>Murray Elevators</u>					
52-14-3-17	Silver Cup #1	53.8	14.0	0.9	13.3
52-14-3-17	Silver Cup #1	55.7	15.0	0.7	13.7
52-14-3-17	Silver Cup #2	57.0	15.6	0.5	10.5
52-14-3-17	Silver Cup #2	54.1	19.9	0.5	11.1
48-8-5-17	Silver Cup #3	51.4	11.3	0.6	11.3
48-8-5-17	Silver Cup #3	50.0	11.7	1.0	9.6
48-8-5-17	Silver Cup #3	49.2	8.6	1.7	9.7
45-8-7-15	Silver Cup #4	48.5	12.6	1.6	10.4
48-8-7-15	Silver Cup #4	51.4	12.0	1.4	10.0
38-5-7-15	Silver Cup 3/32	48.7	13.8	1.7	10.5
38-5-7-15	Silver Cup 3/16	49.5	11.6	1.5	9.6
38-5-7-15	Silver Cup 5/32	49.3	11.5	1.9	10.7
38-5-7-15	Silver Cup 5/32	43.3	10.5	2.2	10.7
45-8-7-15	Silver Cup Brood	47.8	11.7	1.6	11.8
45-8-7-15	Silver Cup Brood	51.3	8.6	1.3	13.0
45-8-7-15	Silver Cup Brood	46.6	8.5	1.5	10.6
52-14-3-17	Silver Cup Starter	52.3	15.0	0.9	13.6
52-14-3-17	Silver Cup Starter	53.6	14.6	0.9	13.0
<u>Nabisco Brands</u>					
20-5-3	Milk Bone Cheese Flavor Dog Biscuits Large	20.6	5.8	1.6	-
<u>Old Mother Hubbard</u>					
11-5-1-1.5	Old Mother Hubbard Gourmet Beef & Liver Cat Food	13.3	5.6	0.6	1.1
10-5-1-1.5	Old Mother Hubbard Gourmet Stew	11.6	8.8	0.6	1.1
24-7-3	Old Mother Hubbard Kibbled Biscuits Dog Food	25.6	7.9	1.2	-
24-7-3	Old Mother Hubbard Oven Baked Dog Bone Biscuits	29.3	5.9	1.0	-
<u>Perk Foods Co.</u>					
9-2-1.5	Sun Glory Liver Flavor Dog Food	9.8	2.3	1.7	-
8-2-2	Vets Beef Flavor Dog Food	11.5	3.7	1.8	-
8-2-2.5-3.5	Vets Chicken Flavor Dog Food	11.3	3.6	1.5	2.5

Table 1. Analysis of Individual Samples (continued)

Manufacturer, Guarantee, Product Name	Nutrients found			
	% Protein	% Fat	% Fiber	% Ash
8-2-2.5 Vets Chicken Flavor Dog Food	8.6	4.4	1.9	-
8-2-2.5 Vets Chicken Flavor Dog Food	8.0	3.2	1.6	-
8-2-2.5 Vats Dog Food	12.1	2.1	1.9	-
8-2-2.5-3.5 Vets Dog Food	9.9	3.4	2.0	2.2
8-2-2.5-3.5 Vets Liver Flavor Dog Food	9.2	*1.4	1.8	2.4
8-2-2.5-3.5 Vats Liver Flavor Dog Food	8.7	3.3	1.7	2.6
<u>Pro-Pet</u>				
10-3-1.5 Big Red Ration Dog Food	10.7	3.0	0.9	-
31-10-3 Li'l Red Cat Dinner	32.5	11.2	1.5	-
11-3-1.5 Li'l Red Fish & Chicken Cat Dinner	13.6	8.5	0.4	-
<u>Quaker Oats Co.</u>				
20-8-1.5 Kan-L Ration Beef Fla. Sausages	32.8	9.5	0.4	-
9-2-1.5-4 Ken-L Ration Dog Food	12.1	*1.5	1.8	2.3
20-8-1.5 Pounce Treats For Cats	23.6	10.0	0.5	-
20-8-1.5 Puss & Boots Pounce Beef	23.9	9.5	0.6	-
8.5-2-1.5-4 Puss & Boots Salmon Flavor	10.1	3.2	0.9	2.1
8.5-2-1.5 Puss'N Boots Fish Flavor	12.8	2.9	1.1	-
8.5-2-1.5-4 Puss'N Boots Gourmet Platter	8.8	3.4	1.2	2.9
20-8-1.5 Puss'N Boots Pounce	22.2	8.8	0.3	-
20-8-1.5 Puss'N Boots Pounce Treats for Cats	23.9	8.6	0.4	-
20-8-1.5 Puss'N Boots Pounce Treats for Cats Chicken	24.2	10.0	0.4	-
<u>R. C. Hagen Corp.</u>				
17.93-30.74-9.64 Hagen Sing-Song Chantant	24.6	32.0	7.0	-
<u>R. T. French Co.</u>				
6-25-2 Franch's Doggie Donuts	7.3	29.3	0.3	-
<u>Ralston Purina</u>				
20-3-5 Purina Broiler Chow	20.9	5.2	2.6	-
21-8-4.5 Purina Dog Chow	21.4	10.5	3.1	-
14-2-25 Purina Horse Chow #200	18.8	2.9	21.0	-
12-3-1 Purina 100 Haarty Stew	13.3	6.6	0.7	-
15-2-1 Purina 100 Mackerel Cat Food	15.8	2.3	0.2	-
12-2-1 Purina 100 Ship & Shore Dinner	25.6	9.2	0.5	-
12-4-1 Purina 100 Southern Style	13.4	8.1	0.6	-
15-2-1 Purina 100 Tuna & Eggs	19.3	6.1	0.2	-
12-2-1 Purina 100 Tuna & Liver Dinner Cat Food	15.7	6.7	0.3	-
16-2-1 Purina 100 Tuna Dinner for Cats	22.3	4.0	0.4	-
12-4-1 Purina 100 Turkey & Giblets Dinner	13.8	5.8	0.7	-
23-4.5-6-8 Purina Lab Chow Rodent Chow	25.6	6.4	5.9	6.8
16-2.5-7 Purina Layena	19.3	3.2	3.1	-
30-8-4 Purina Meow Mix Cat Food	31.5	8.6	1.8	-
27-9-5 Purina Puppy Chow	31.5	11.4	2.6	-
27-9-5 Purina Puppy Chow	*25.5	11.0	3.4	-
14-2-20-10 Purina Rabbit Chow	21.1	3.2	15.6	6.0
24-8.5-3.5 Purina Tender Vittles	28.1	10.0	0.7	-
24-8.5-3.5 Purina Tender Vittles Beef	25.4	10.4	1.1	-
37.5-8.5-13 Purina Trout Chow	41.3	10.3	2.2	9.2
24-8.5-3.5 Tender Vittles Beef Flavor	39.7	9.9	0.8	-
24-8.5-3.5 Tender Vittles Seafood Flavor	25.8	9.8	1.2	-
<u>Robert Abady Dog Food Co.</u>				
23-5-2-10.5 Abady Hard Dog Snacks	23.8	5.5	1.8	10.5
<u>Rockford Farms, Inc.</u>				
8-2-1.5 Main Dish Beef Flavor Dog Food	8.2	3.4	2.0	-
<u>Royal Pet Supplies</u>				
52-12-2 Royal Taki Fax Worm 9	53.6	13.4	0.1	-
<u>Shopwell, Inc.</u>				
10-8-1.5 Shopwell Chicken Dinner for Dogs	10.9	11.4	0.5	-
12-2-1.5 Shopwell Sardine for Cats	13.8	3.5	0.2	3.4
<u>Shur Fine Eastern Corp.</u>				
12-6-1.5-3 Shur Fine Beef Chunks Dinner for Dogs	13.0	6.7	0.6	3.3
21-7-4.5 Shur Fine Chunk Style Dog Food	23.4	9.9	3.7	-
8-1.5-1.5 Shur Fine Ration Liver Flavor Dog Food	9.6	*1.3	1.5	-
<u>Sinoo, Inc.</u>				
20-2-1 Paddy Cat All Tuna	24.9	2.6	0.2	-

Table 1. Analysis of Individual Samples (continued)

Manufacturer, Guarantee, Product Name		Nutrients found			
		% Protein	% Fat	% Fiber	% Ash
20-2-1	Paddy Cat Tuna	22.1	2.1	0.4	-
<u>Star Kist Foods</u>					
11-3-1-3	9-Lives Beef & Liver Platter	12.9	5.1	0.5	2.1
10-3-1	9-Lives Chicken & Cheese Cat Food	*9.2	3.9	0.3	-
10-3-1-2.5	9-Lives Country Chicken & Gravy	13.7	5.5	0.3	1.7
11-4-1-3	9-Lives Liver & Chicken	15.8	5.4	0.5	2.4
31.5-7-4.5	9-Lives Real Liver & Chicken Flavor Cat Food	35.2	9.4	2.3	-
14-5-1-3	9-Lives Tuna & Chicken Cat Food	20.1	9.5	0.4	2.4
14.5-2-1	9-Lives Tuna & Egg in Sauce	18.1	4.5	0.4	-
33-20-3	Doglovers Jerky Treats Chicken Flavor	45.9	21.9	0.2	-
33-15-3	Jerky Treats Beef Flavor	42.6	21.2	1.7	-
33-20-3	Jerky Treats Cheese Flavor	42.8	20.2	0.8	-
<u>Stop & Shop</u>					
11-8-1	Stop & Shop Gourmet Dinner	12.2	9.8	0.6	-
11-8-1	Stop & Shop Gourmet Dinner Dog Food	11.9	10.4	0.4	-
14-5-1-4	Stop & Shop Tuna & Chicken Dinner	22.9	9.9	0.4	2.1
14-2-1-3	Stop & Shop Tuna & Egg Dinner For Cats	27.7	5.8	0.3	2.6
9-2-1.5	Sun Glory Beef Flavor Dog Food	14.9	*1.2	1.1	-
9-2-1.5	Sun Glory Chicken Flavor Dog Food	14.6	*0.4	1.5	-
9-2-1.5	Sun Glory Liver Flavor Dog Food	9.4	3.9	1.7	-
<u>Strongheart Products</u>					
8-1.5-2	Strongheart Beef	8.3	3.0	1.7	-
8-1.5-2	Strongheart Dog Food Beef Flavor	8.0	2.8	0.9	-
8-1.5-2	Strongheart Dog Food Beef Flavor	12.0	2.9	1.2	-
<u>Sun Fresh, Inc.</u>					
11-6-1-1.8	National Gourmet Cat Food Beef 'N Liver Dinner	14.1	8.5	0.6	1.4
12-4-1-4	National Gourmet Cat Food Sea Food Dinner	14.2	5.1	0.3	1.3
12-5-1	National Liver Chunks Dinner for Dogs	12.3	5.7	0.5	-
12-5-1.5	National Triple Meat-Chicken-Liver Dinner for Dogs	12.1	8.6	0.5	-
24-8.5-3.5	National Tuna Flavor Moist & Tender Cat Food	27.1	9.9	0.8	-
<u>Superior Pet Products</u>					
70-1-2	Bone-Anza Beef Hide Bone	80.4	2.7	0.2	-
18-5-3	Wagtime Beef Basted Waffles	27.2	7.0	1.2	-
18-5-3	Wagtime Beef Waffles	20.9	5.8	1.7	-
<u>Supermarkets General Corp.</u>					
12-4.5-1.5-4	Pathmark Chopped Beef Dinner for Dogs	14.9	6.4	0.7	2.2
22-5-3-10	Pathmark Dog Biscuits for Large Dogs	29.0	5.6	0.9	8.1
8-1.5-1.5-3	Pathmark Liver Flavor Dog Ration	*7.5	2.8	0.8	3.2
19-2-1-2	Pathmark Tuna for Cats	20.4	3.8	0.2	1.2
<u>Sweet Life Products</u>					
12-5-1.5-3	Sweet Life Beef Chunks	12.1	6.5	0.9	2.2
12-8-1-4	Sweet Life Chicken Parts	12.0	15.0	0.6	3.1
<u>Tetra Sales</u>					
30-3-10	Tetra Fin Basic Diet Goldfish Food	44.8	7.0	1.7	-
<u>Topco Assoc.</u>					
8-1.5-1.5	Dog Club Dog Food	*6.0	0.3	1.4	-
8-1.5-1.5	Dog Club Meat Flavor Dog Food	*6.6	*0.5	1.6	-
6-1.5-3.5	Generic Ration Dog Food	6.7	1.5	1.9	-
6-1.5-3.5	Generic Ration Dog Food Meat Flavor	17.6	2.4	1.5	-
21-8.5-3.5	Generic Soft & Moist Tuna Flavor Cat Food	27.2	9.9	1.1	-
10-8-1-3.5	Topco Chicken & Kidney Dinner Cat Food	16.5	8.9	0.5	3.8
10-6-1.5	Topco Chopped Beef Dinner for Dogs	12.1	9.5	0.9	-
12.5-7-1-3	Topco Deluxe Dinner	14.4	8.6	0.3	*4.0
13-3-1-3	Topco Tuna & Liver Dinner	17.2	6.1	0.4	3.3
13-3-1	Topco Tuna & Liver Dinner Cat Food	14.1	7.9	0.5	-
<u>Triumph Pet Ind.</u>					
8-1.5-1.5	Cadet Dog Food	8.8	3.5	1.6	-
18.5-7-3-4	Soft Moist Dog Food	26.3	8.4	1.9	*6.4
23-5-3	Triumph Hi-Tor All Natural Dog Food	23.8	6.5	1.4	-
23-5-3	Triumph Kibbled Biscuit Dog Food	24.7	6.0	2.0	-
11-4-1-1	Triumph Low Ash Beef'n Liver Dinner	11.7	11.2	0.5	1.0
32-14-4.5-5	Triumph Low Ash Cat Food	39.5	13.4	2.0	4.1

Table 1. Analysis of Individual Samples (continued)

Manufacturer, Guarantee, Product Name	Nutrients found			
	% Protein	% Fat	% Fiber	% Ash
23-5-3 Triumph Maint. Diet Med. Kibbled Biscuit Dog Food	25.1	8.9	1.6	-
25-10-3 Triumph Puppy Biscuit Treats	28.8	11.7	1.6	-
25-10-3 Triumph Puppy Biscuits	25.1	10.2	2.0	-
<u>United Coop. Farmers</u>				
16-3.5-8.5 UCF 16 Profitmaker	19.1	4.0	7.1	-
16-3.5-8.5 UCF 16 Profitmaker	17.9	5.2	9.9	-
16-3.5-8.5 UCF 16 Profitmaker	17.1	4.2	8.0	-
16-3.5-8.5 UCF 16 Profitmaker	19.8	3.7	9.5	-
20-3.5-8.5 UCF 20 Profitmaker	25.1	4.2	6.7	-
15-3.5-5.5 UCF A.M. Grower	18.1	3.9	3.9	-
15-3.5-5.5 UCF A.M. Grower	16.2	4.3	4.3	-
15-3.5-5.5 UCF A.M. Grower	15.9	3.2	4.6	-
15-3.5-5.5 UCF A.M. Grower Pellets	16.8	4.1	5.0	-
21-8-5 UCF Best Friend Dog Food	24.9	8.1	3.8	-
21-5.5-3.5 UCF Complete Broiler	22.9	6.3	2.8	-
15-3-4.5 UCF Complete Layer	17.5	4.2	3.8	-
15-3-4.5 UCF Complete Layer	17.7	3.6	2.4	-
15-3-4.5 UCF Complete Layer	15.9	4.0	4.0	-
15-3-4.5 UCF Complete Layer Mash	17.9	3.6	4.5	-
15-3-4.5 UCF Complete Layer Pellets	18.6	3.3	4.4	-
15-3-4.5 UCF Complete Layer Pellets	16.8	4.3	5.0	-
15-3-4.5 UCF Complete Layer Pellets	17.4	5.3	4.5	-
15-3-4.5 UCF Complete Layer Pellets	17.9	3.8	3.2	-
24-7-3 UCF Dog Bones	25.1	8.0	1.6	-
24-7-3 UCF Dog Bones	25.1	7.3	1.6	-
18-6-4.5 UCF Dog Food	20.3	6.1	4.5	-
18-6-4.5 UCF Dog Food	21.6	6.4	5.2	-
13-3-8 UCF Fit N Show	16.8	4.1	5.9	-
15-3-7 UCF Hog Grower	15.3	3.9	6.4	-
15-3-7 UCF Hog Grower	15.0	4.0	4.1	-
15-3-7 UCF Hog Grower	16.4	3.6	5.1	-
15-3-7 UCF Hog Grower	17.9	3.8	3.6	-
15-3-7 UCF Hog Grower Mash	16.4	3.7	7.0	-
15-3-7 UCF Hog Grower Pellets	17.3	3.4	7.0	-
15-3-7 UCF Hog Grower Pellets	15.6	4.1	4.9	-
15-3-7 UCF Hog Grower Pellets	17.2	3.9	4.1	-
13-2-15 UCF Pride (Horse)	18.6	3.5	8.7	-
13-2-15 UCF Pride (Horse)	14.6	3.3	13.5	-
13-2-15 UCF Pride (Horse)	13.2	4.6	11.5	-
17-3-17 UCF Rabbit Pellets	17.3	3.3	14.0	-
17-3-17 UCF Rabbit Pellets	23.1	3.2	17.0	-
17-3-17 UCF Rabbit Pellets	24.8	4.3	14.3	-
17-3-17 UCF Rabbit Pellets	17.9	5.2	15.0	-
9-2.5-7 UCF Scratch Feed	10.0	4.8	6.5	-
9-2.5-7 UCF Scratch Feed	10.4	5.1	2.6	-
20-3.5-3.5 UCF Starter	21.8	3.6	3.2	-
18-3-5.5 UCF Turkey Finisher	20.3	3.3	4.9	-
18-3-5.5 UCF Turkey Finisher	19.6	4.0	4.2	-
20-3-5.5 UCF Turkey Grower	20.4	4.5	3.3	-
20-3-5.5 UCF Turkey Grower	21.6	4.1	3.5	-
20-3-5.5 UCF Turkey Grower Med.	19.5	4.1	3.3	-
<u>VitaKraft-Duett Co.</u>				
15-11-9 VitaKraft Honey Stick for Canaries	17.8	14.3	6.8	-
10-2.5-6.3 VitaKraft Honey Stick for Parakeets	10.3	3.3	6.1	-
<u>Wakefern Food Corp.</u>				
20-2-1 My Favorite Cat Food All Tuna	25.6	2.8	0.3	-
20-2-1 My Favorite Cat Food All Tuna	20.1	2.3	0.2	-
8-1.5-1.5 My Favorite Chicken Flavor Dog Food	6.4	2.6	1.0	-
8-1.5-1.5 My Favorite Chicken Flavor Dog Food	8.3	2.5	0.8	-
12-6-1.5 Shop-Rite Beef & Meat By-Products for Dogs	13.9	15.1	0.6	-
13-3-1 Shop-Rite Fish & Liver Dinner for Cats	16.5	5.5	0.3	-
14-6-1 Shop-Rite Kitten Prime	15.3	6.2	0.6	-
24-8.5-3.5 Shop-Rite Moist Cat Food Gourmet Flavor	29.4	9.7	0.8	-
11-8-1 Shop-Rite Premium Chicken & Liver Dog Food	11.8	6.2	0.4	-
10-8-1.5 Shop-Rite Premium Dog Food Chicken, Kidney & Bacon	12.1	12.4	0.4	-
<u>Wardley Products Co.</u>				
25-3-7-14 Wardley's Goldfish Food Flakes	40.5	12.0	1.8	6.2
25-3-7 Wardley's Goldfish Food Flakes	30.7	13.5	1.7	-

Table 1. Analysis of Individual Samples (continued)

Manufacturer, Guarantee, Product Name		Nutrients found			
		% Protein	% Fat	% Fiber	% Ash
<u>Wm. S. Warren & Son</u>					
16-2.5-11	Warren's #1 16% Dairy Feed	19.3	4.1	7.2	-
16-2.5-11	Warren's #4 16% Dairy Pellets	18.6	3.7	8.3	-
15-3-7.75	Warren's Complete Layer-Grower	17.0	3.9	3.0	-
15-3-7.75	Warren's Complete Layer-Grower Mash	18.1	3.6	4.1	-
<u>Zeigler Bros.</u>					
50-15-2	#1 Salmon Starter	76.4	15.4	0.4	-
50-15-2	#2 Salmon Starter	80.4	17.4	0.4	-
50-15-2	#3 Salmon Starter	79.8	16.1	0.5	-
50-15-2	#4 Salmon Starter	80.1	16.1	0.4	-
38-8-4	Ranger Brood Stock	60.8	8.3	3.1	-
50-15-2	Salmon Starter Maeh Crumbles	76.4	15.6	0.3	-
38-12-4	Trout Grower Hi Fat 3/32	62.7	12.0	1.7	-
38-12-4	Trout Grower Hi Fat 3/16	56.4	11.6	2.8	-

Table 2. Summary for each manufacturer of number of samples tested, number of guarantees for ash content, percentage of claims for each nutrient not meeting guarantee, and average percentage of guarantees for each nutrient.

Manufacturer or dealer	No. of samples	No. of guarantees for ash	% not meeting guarantees				Average % of guarantee			
			protein	fat	fiber	ash	protein	fat	fiber	ash
8 in 1 Pet Products	1	0	0	0	0	-	185	160	70	
A & P	1	1	0	0	0	0	113	230	34	70
A & R Pet Foods	2	0	0	0	0	-	127	134	53	
A. H. Robbins	2	1	0	0	0	0	110	188	86	21
Agway	75	0	3	0	0	-	115	140	64	
Allen Products	3	2	0	0	0	0	114	101	66	92
Alpo Products	13	4	0	8	0	0	118	138	46	80
Andre Manufacturing	1	1	0	0	0	0	107	160	20	51
Arlington Grain	1	0	0	0	0	-	112	88	75	
Bay-Mor Pet Feeds	1	0	0	0	0	-	115	155	40	
Beacon Milling	2	0	0	0	0	-	103	130	69	
Beatrice Foods	5	2	0	0	0	0	107	129	44	75
Bi-Agri Feed & Fert.	3	0	33	0	33	-	88	134	97	
Binzo	1	0	0	0	0	-	141	116	73	
Blue Ribbon Pet Prod.	1	1	0	0	0	100	105	153	55	110
Blue Star Foods	1	1	0	0	0	0	109	195	90	77
Borden	1	1	0	0	0	0	104	100	100	80
Bumble Bee Seafoods	4	2	0	0	0	0	111	129	30	53
Cadillac Pet Foods	9	7	0	0	0	0	117	191	54	64
Calo Pet Foods	7	4	0	0	0	0	117	165	49	52
Carnation	28	4	0	0	0	0	122	158	55	80
Carter-Wallace	1	0	0	0	0	-	125	165	70	
Central Conn. Coop.	4	0	0	0	0	-	117	131	76	
Champion Valley Farms	11	0	9	0	0	-	118	127	70	
CHB Foods	6	4	0	0	0	0	108	139	71	73
Conagra Pet Products	3	0	0	0	0	-	122	160	61	
Continental Grain	4	0	0	0	0	-	111	124	78	
Federated Foods	1	0	0	0	0	-	108	167	87	
Finast	15	6	0	0	0	0	122	139	67	
Foster Canning	5	0	0	0	0	-	111	193	41	
General Foods	13	0	0	8	0	-	116	146	44	
Goff Cat Food	6	4	0	0	0	0	129	153	63	90
Grand Union	4	1	0	0	0	0	109	131	44	100
H. K. Webster	44	1	5	0	0	0	108	119	69	84
Hartz Mountain	10	0	0	0	0	-	132	148	56	
Hi Life	4	0	0	0	0	-	125	134	42	
Hill's Pet Products	3	2	0	0	0	0	120	104	55	82
IAMS	6	6	0	17	0	17	112	106	60	93
IGA	1	1	0	100	0	0	111	52	60	28
International Multifoods	1	0	0	0	0	-	120	123	76	
K & L Feed Mill	25	0	16	0	0	-	109	116	55	
Kel Kan Foods	14	4	0	0	0	0	122	149	46	80
Kitty Food	7	5	0	14	0	0	118	131	51	83
Krasdale Foods	2	0	0	0	0	-	114	120	37	
Laddie Boy Pet Foods	6	2	0	17	0	0	117	151	62	63
Landon	1	0	0	0	0	-	108	119	33	
Marlboro Products	6	0	0	33	0	-	120	114	60	
Martha White Foods	1	0	0	0	0	-	110	133	47	
Martin Feed Mills	2	0	0	0	0	-	127	116	59	
Martin's Mills	1	0	0	0	0	-	113	108	70	
Metaframe	1	0	0	0	0	-	110	206	38	
Murray Elevators	18	18	0	0	0	0	110	149	23	
Nebisco Brands	1	0	0	0	0	-	103	116	53	
Old Mother Hubbard	4	2	0	25	0	0	116	121	48	73
Park Foods	9	4	0	11	0	0	122	152	78	69
Pro-Pet	3	0	0	0	0	-	112	165	46	
Quaker Oats	10	3	0	10	0	0	126	126	51	55
R. C. Hagan	1	0	0	0	0	-	137	104	73	
R. T. French	1	0	0	0	0	-	122	117	15	
Ralston Purina	22	3	0	0	0	0	123	174	50	72
Robert Abady Dog Food	1	1	0	0	0	0	103	183	90	100
Rockford Farms	1	0	0	0	0	-	103	170	133	
Royal Pet Supplies	1	0	0	0	0	-	103	112	5	
Shopwell	2	1	0	0	0	0	112	159	27	68
Shur Fine Eastern	4	1	0	50	0	0	115	107	81	110
Sinco	2	0	0	0	0	-	118	118	30	
Star Kist Foods	10	4	10	0	0	0	127	152	38	75
Stop & Shop	7	2	0	29	0	0	145	145	65	70
Strongheart Products	3	0	0	0	0	0	118	193	63	
Sun Fresh	5	2	0	0	0	0	113	134	39	55
Superior Pet Products	3	0	0	0	0	-	127	175	36	
Supermarkets General	4	4	25	0	0	0	114	158	38	76
Sweet Life Products	2	2	0	0	0	0	101	159	60	75
Tetra Sales	1	0	0	0	0	-	149	233	17	
Topco Assoc.	10	3	20	10	0	33	133	129	56	117
Triumph Pet Ind.	9	3	0	0	0	33	113	153	61	114
United Coop. Farmers	47	0	0	0	2	-	114	132	81	
VitaKraft-Duett	2	0	0	0	0	0	111	131	87	
Wakefern Food	10	0	0	0	0	-	112	148	39	
Wardley Products	2	1	0	0	0	0	143	425	25	44
Wm. S. Warren & Sons	4	0	0	0	0	0	118	141	58	
Zeigler Bros.	8	0	0	0	0	-	157	105	36	



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